

chain nodes :

7 8 9 16 17 18 19 20 21 22

ring nodes :

1 2 3 4 5 6 10 11 12 13 14 15

chain bonds :

5-7 7-8 7-10 7-9 9-16 16-17 17-18 18-19 19-20 20-21 21-22

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

exact bonds :

5-7 7-8 7-10 7-9 9-16 16-17 17-18 18-19 19-20 20-21 21-22

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS

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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 4 OCT 28 KOREAPAT now available on STN
NEWS 5 NOV 30 PHAR reloaded with additional data
NEWS 6 DEC 01 LISA now available on STN
NEWS 7 DEC 09 12 databases to be removed from STN on December 31, 2004
NEWS 8 DEC 15 MEDLINE update schedule for December 2004
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness
alerts (SDIs) affected
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:05:38 ON 28 DEC 2004

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:05:50 ON 28 DEC 2004

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 DEC 2004 HIGHEST RN 802853-20-9
DICTIONARY FILE UPDATES: 26 DEC 2004 HIGHEST RN 802853-20-9

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TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

L1 SCREEN CREATED

=>

L2 STRUCTURE UPLOADED

=>

L3 QUE L2 AND L1

=> s sam sss l3

SAMPLE SEARCH INITIATED 14:06:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L2 AND L1

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.84

1.05

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:07:15 ON 28 DEC 2004

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'REGISTRY' AT 14:09:15 ON 28 DEC 2004

FILE 'REGISTRY' ENTERED AT 14:09:15 ON 28 DEC 2004

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.84

1.05

=>

L5 SCREEN CREATED

=>

L6 STRUCTURE UPLOADED

=>

L7 QUE L6 AND L5

=> s sam sss l7

STN Columbus

SAMPLE SEARCH INITIATED 14:09:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 69 TO ITERATE

100.0% PROCESSED 69 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 882 TO 1878
PROJECTED ANSWERS: 3 TO 163

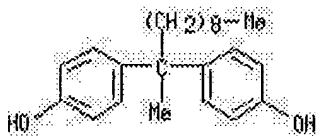
L8 3 SEA SSS SAM L6 AND L5

=> d scan

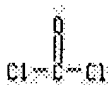
L8 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Carbonic dichloride, polymer with 4,4'-(1-methyldecylidene)bis[phenol]
(9CI)
MF (C23 H32 O2 . C Cl2 O)x
CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1



CM 2



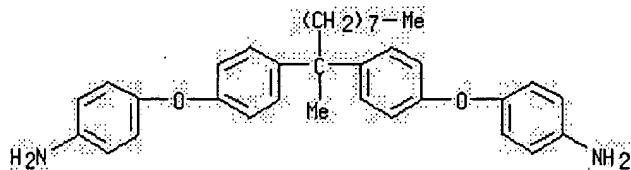
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1H,3H-Benzo[1,2-c:4,5-c']difuran-1,3,5,7-tetrone, polymer with
4,4'-[(1-methylnonylidene)bis(4,1-phenyleneoxy)]bis[benzenamine] (9CI)
MF (C34 H40 N2 O2 . C10 H2 O6)x
CI PMS

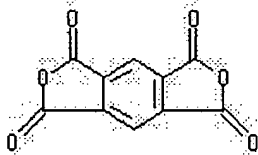
RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1

STN Columbus



CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

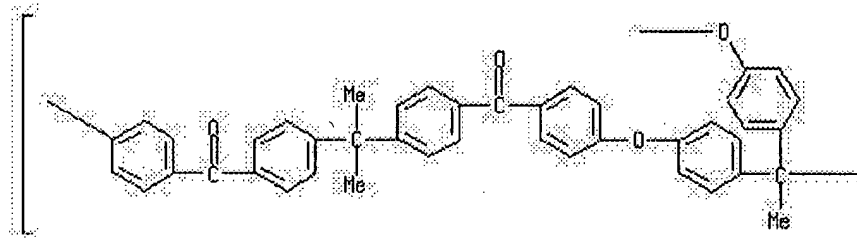
IN Poly[oxy-1,4-phenylene(1-methyldodecylidene)-1,4-phenyleneoxy-1,4-phenylenecarbonyl-1,4-phenylene(1-methylethylidene)-1,4-phenylenecarbonyl-1,4-phenylene] (9CI)

MF (C54 H56 O4)n

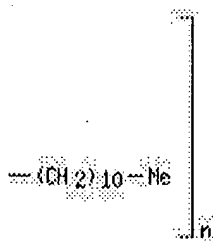
CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

PAGE 1-A



PAGE 1-B



ALL ANSWERS HAVE BEEN SCANNED

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=> d his

(FILE 'HOME' ENTERED AT 14:05:38 ON 28 DEC 2004)

FILE 'REGISTRY' ENTERED AT 14:05:50 ON 28 DEC 2004

```
L1          SCREEN 2043
L2          STRUCTURE UPLOADED
L3          QUE L2 AND L1
L4          0 S SAM SSS L3
L5          SCREEN 2043
L6          STRUCTURE UPLOADED
L7          QUE L6 AND L5
L8          3 S SAM SSS L7
```

=> s full sss l7

FULL SEARCH INITIATED 14:11:12 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1534 TO ITERATE

100.0% PROCESSED 1534 ITERATIONS
SEARCH TIME: 00.00.01

118 ANSWERS

L9 118 SEA SSS FUL L6 AND L5

=> e polyurethane/pct

```
E1 18060 POLYUREA/PCT
E2 16420 POLYUREA FORMED/PCT
E3 67853 --> POLYURETHANE/PCT
E4 64657 POLYURETHANE FORMED/PCT
E5 169328 POLYVINYL/PCT
E6 697 PPH/PCT
E7 349 PPH F/PCT
E8 1115 PPSZ/PCT
E9 794 PPSZ F/PCT
E10 1006 PQ/PCT
E11 410 PQ F/PCT
E12 15739 PR/PCT
```

=> s e3 or e4

```
67853 POLYURETHANE/PCT
64657 "POLYURETHANE FORMED"/PCT
L10 67853 POLYURETHANE/PCT OR "POLYURETHANE FORMED"/PCT
```

=> s l10 and l9

L11 4 L10 AND L9

=> fil ca; s l11

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	170.72	170.93

FILE 'CA' ENTERED AT 14:11:51 ON 28 DEC 2004

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FILE COVERS 1907 - 23 Dec 2004 VOL 142 ISS 1
FILE LAST UPDATED: 23 Dec 2004 (20041223/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

L12 1 L11

=> d bib

L12 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN

Full Text

AN 138:98156 CA
TI Electrophotographic photoreceptor containing polymer particles, process cartridge, apparatus, and electrophotographic method
IN Kawamura, Shinichi; Nagai, Kazukiyo; Li, Hung Guo
PA Ricoh Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003005394	A2	20030108	JP 2001-188435	20010621
PRAI	JP 2001-188435		20010621		

=> s 19

L13 52 L9

=> s l13 and (polyurethane or urethane)

108353 POLYURETHANE

109643 URETHANE

L14 1 L13 AND (POLYURETHANE OR URETHANE)

=> s l14 not l12

L15 1 L14 NOT L12

=> d bib

L15 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN

Full Text

AN 136:207670 CA
TI Electrophotographic photoconductor, image forming method and apparatus, and process cartridge using the photoconductor, and long-chain alkyl group containing bisphenol compound and polymer made therefrom
IN Kawamura, Shinichi; Nagai, Kazukiyo; Shimada, Tomoyuki; Tanaka, Chiaki; Namba, Michihiko
PA Ricoh Company, Ltd., Japan
SO U.S. Pat. Appl. Publ., 40 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 2002025483	A1	20020228	US 2001-814722	20010323
	US 6548216	B2	20030415		
	JP 2002202621	A2	20020719	JP 2001-47310	20010222
	US 2003198881	A1	20031023	US 2003-364514	20030212
	US 2004131960	A1	20040708	US 2003-735929	20031216
PRAI	JP 2000-83304	A	20000324		
	JP 2000-323941	A	20001024		
	JP 2001-47310	A	20010222		
	US 2001-814722	A3	20010323		
	US 2003-364514	A3	20030212		
OS	MARPAT 136:207670				

=>